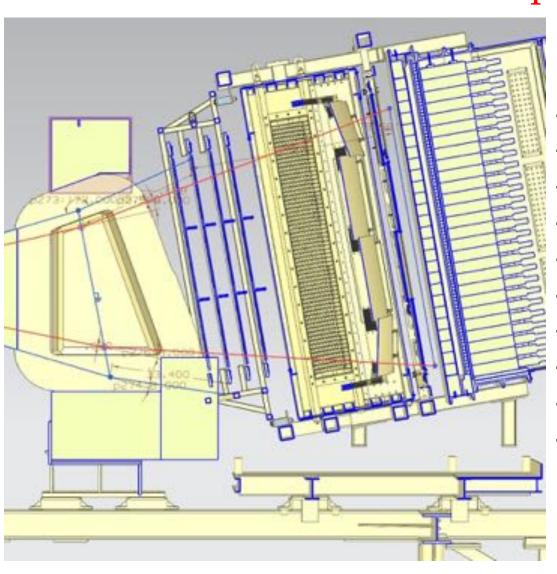
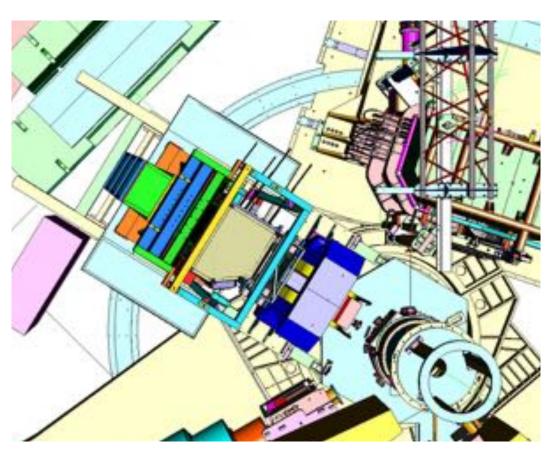
B. Wojtsekhowski for the BigBite team

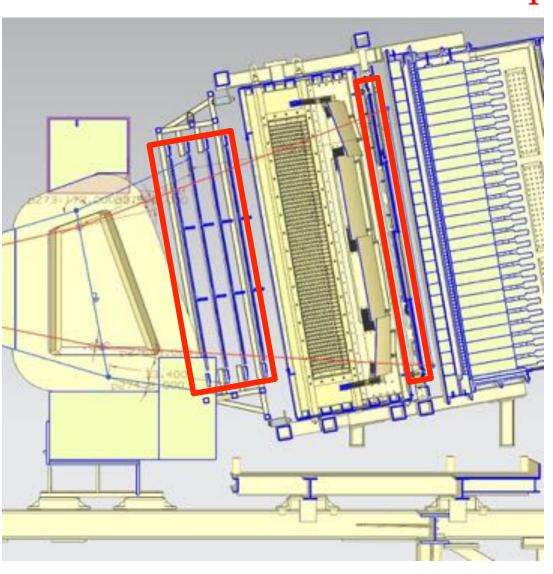
Acknowledge big efforts by the design group, Hall A technical group, Hall C technical group, Detector support group, Fast electronics group.



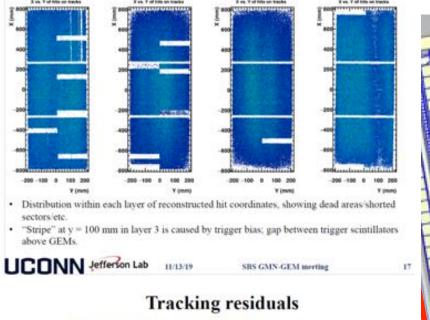
- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV systems
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems

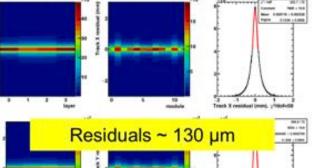


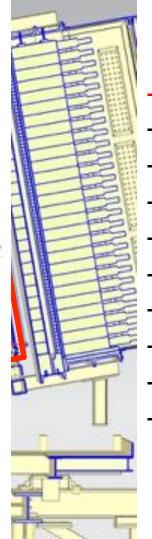
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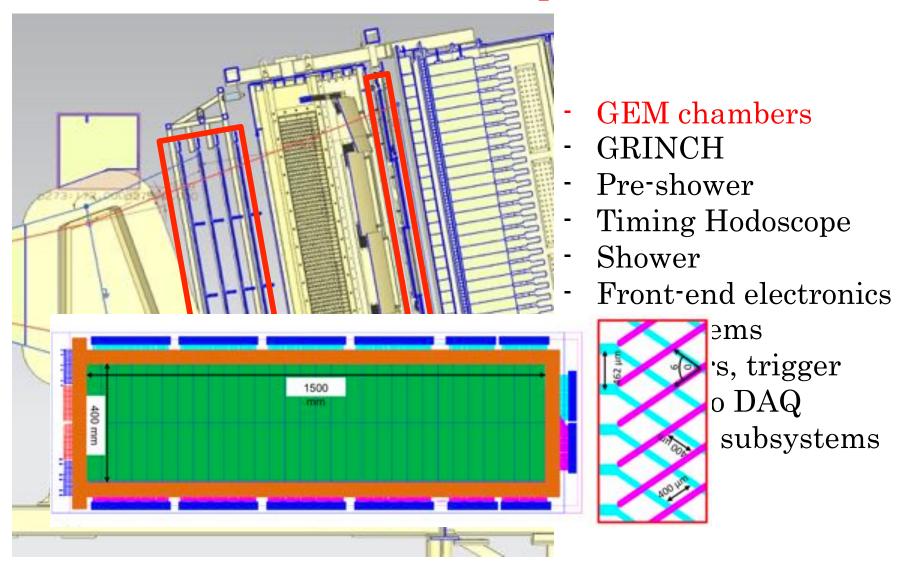
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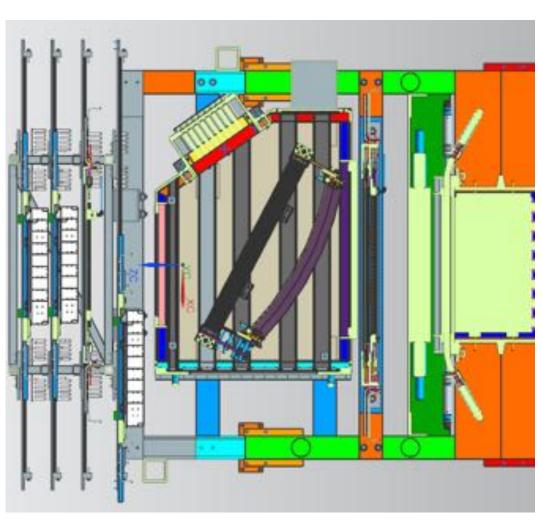






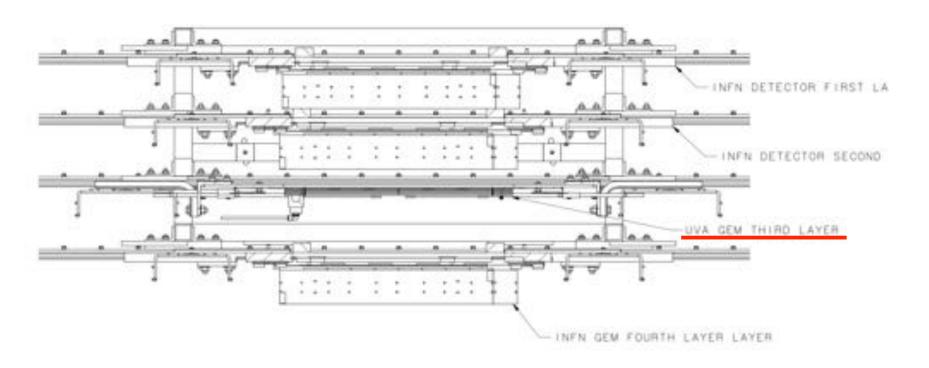
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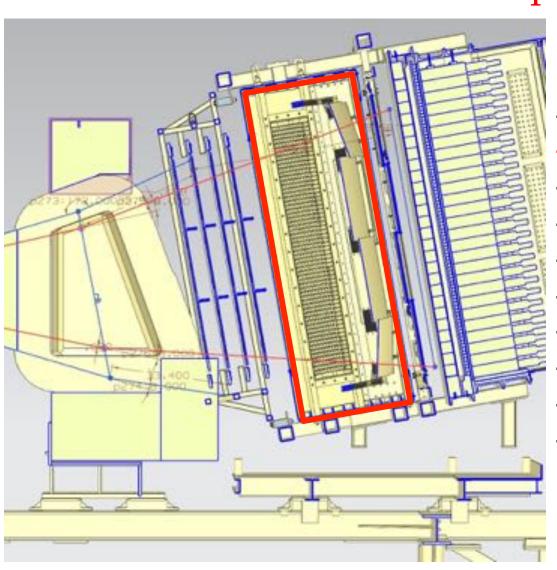




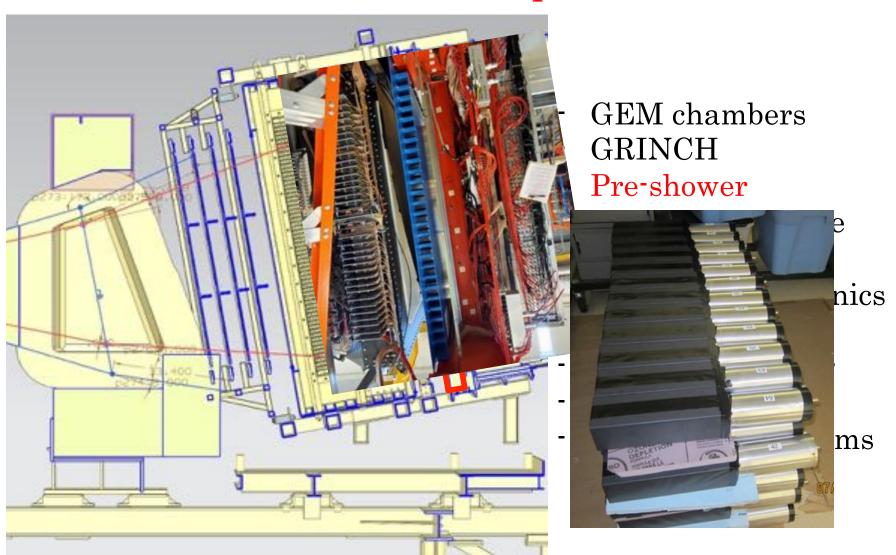
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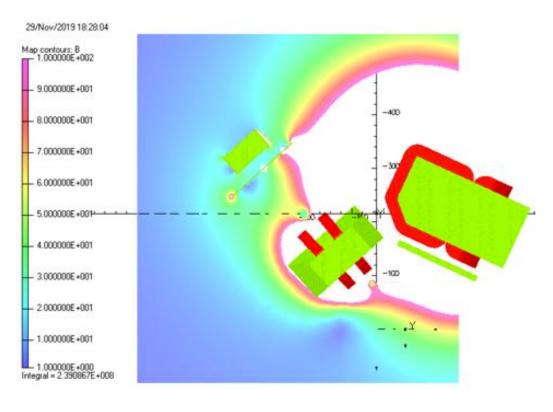
#### - GEM chambers



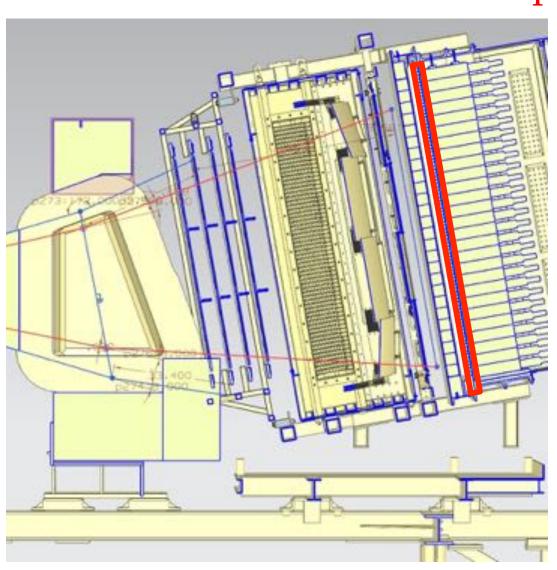


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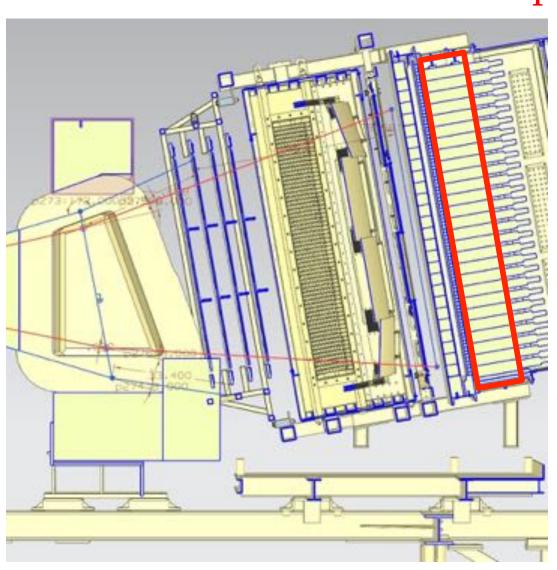




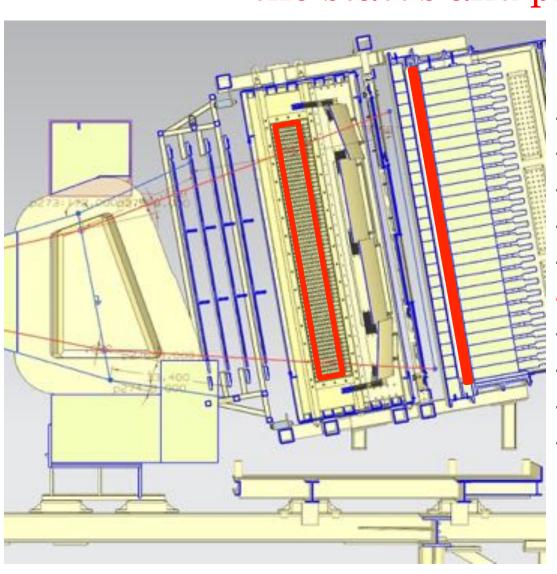
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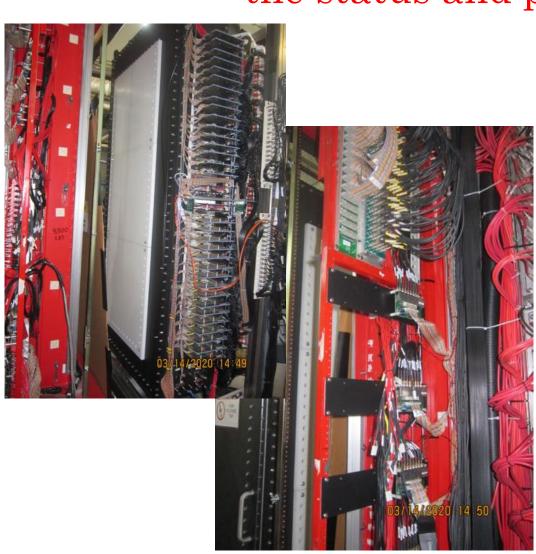
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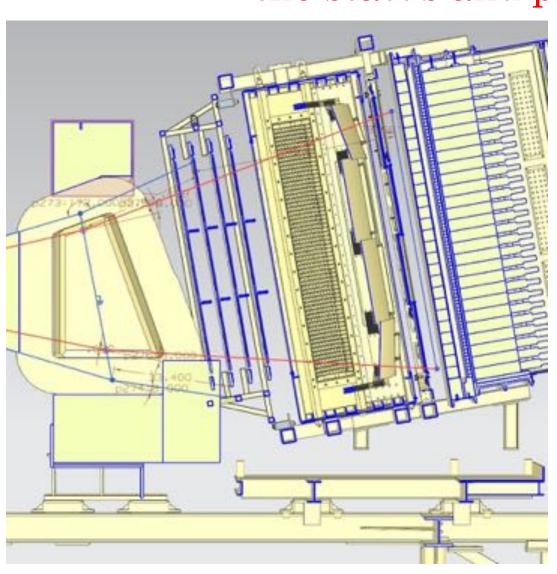
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- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems



- GEM chambers
- GRINCH
- Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
- Summers, trigger
- Cables to DAQ
- DAQ for subsystems

for GRINCH



for Timing Hodoscope



for pre-shower and shower



- GEM chambers
  - GRINCH
  - Pre-shower
- Timing Hodoscope
- Shower
- Front-end electronics
- HV, 250 are short
  - Summers, trigger
- Cables to DAQ
- DAQ for subsystems

#### To be completed

- BigBite hardware design
  - Support for the detector platform, the rail adjustment
  - The field clamp adjustment
  - Sieve slit with horizontal movement and proper hole pattern
- GEM electronics shielding: final mechanical and electrical layout
- HV cables for pre-shower & shower need extra 25 m
- Timing Hodoscope rebuilding, installation, commissioning
- GRINCH, pre-shower, shower cosmic commissioning
- GEM chambers, frame, commissioning in TEDF big, big job
- DAQ: TH subsystem, combined CODA, online data analysis and displays, calibration plan/scripts for beam conditions